

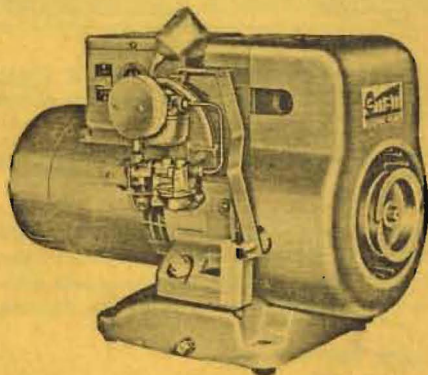
PARTS CATALOG

FOR

ONAN ELECTRIC GENERATING PLANTS

Series

AJ



Alternating Current Models

Battery Charging Models

D. W. ONAN & SONS INC. • MINNEAPOLIS 14, MINN.

924-9 ▲

Price \$1.00

A-E Printed in U.S.A.

INSTRUCTIONS FOR ORDERING REPAIR PARTS

FOR PARTS OR SERVICE, CONTACT THE DEALER FROM WHOM
YOU PURCHASED THIS EQUIPMENT OR REFER TO YOUR NEAR-
EST AUTHORIZED SERVICE STATION.

TO AVOID ERRORS OR DELAY IN FILLING YOUR PARTS ORDER, PLEASE
FURNISH ALL INFORMATION REQUESTED.

REFER TO THE NAMEPLATE ON YOUR PLANT

1. Always give the MODEL & SPEC. NO. and SERIAL NO.

ELECTRIC **Onan** PLANT

MODEL AND SPEC. NO. 100 SERIAL NO. 100

IMPORTANT - MENTION ABOVE NUMBERS WHEN CROSSING PARTS

A.C. - VOLTS 115 K.V.A. 10 WATTS 1000

P.F. 85 AMPS 10 CYCLES 60 PHASE 1

D.C. - VOLTS 12 AMPS 10 WATTS 120

E.T.N. NO. 100 E.T.N. DATA NO. 100

R.P.M. 1000 YOUR BATTERY 100

D. W. ONAN & SONS, INC.
MINNEAPOLIS, MINNESOTA, U.S.A.
MADE IN U.S.A.

A225

For handy reference, copy YOUR plant
nameplate information in the spaces above.

2. Do not order by reference number or group number, use part number and description.
3. Give the part number, description and quantity needed of each item. If an old part cannot be identified, return the part prepaid to your dealer or nearest AUTHORIZED SERVICE STATION. Print your name and address plainly on the package. Write a letter to the same address stating the reason for returning the part.
4. State definite shipping instructions.

Any claim for loss or damage to your unit in transit should be filed promptly against the transportation company making the delivery. Shipments are complete unless the packing list indicates items are back ordered.

"Prices are purposely omitted from this Parts Catalog due to the confusion resulting from fluctuating costs, import duties, sales taxes, exchange rates, etc.

For Current parts prices, consult your Onan Dealer, Distributor or Parts and Service Center."

"En esta lista de partes los precios se omiten de proposito, ya que bastante confusion resultado de fluctuaciones de los precios, derechos aduanales, impuestos de venta, cambios extranjeros etc.

Consiga los precios vigentes de su distribuidor de productos "ONAN".

PARTS CATALOG

1

This parts catalog applies to the AJ series generating plants listed in the Plant Data Table. Parts are arranged in groups of related items. Some groups of optional equipment are included. Each illustrated part is identified by a Reference number corresponding to the same Reference number in the Parts List for the particular group. Parts illustrations represent typical items and do not necessarily portray a particular part number.

Use this parts catalog as a general guide in selecting parts. The manufacturer makes many types of generating plants and industrial engines, with optional features in each basic series. Always give the full MODEL and SPEC. NO. and complete serial number when referring to the plant.

Compare your plant nameplate MODEL and SPEC. NO. with the Plant Data Table. Select the Parts Key No. (1, 2 etc in the last column) that applies to your plant Model and Spec. No. This Parts Key No. appears in the Description of parts that differ between models. Certain parts Descriptions contain additional descriptive information, such as the voltage of the plant. Reference is sometimes made to Spec A, B, etc. This refers to the LETTER at the end of the plant MODEL and SPEC. NO. This Spec LETTER advances (A to B, B to C, etc.) with manufacturing changes. Unless otherwise mentioned in the parts Description, parts are interchangeable between various models.

Plant Data Table

MODEL AND SPEC. NO.	TYPE**	ELECTRICAL DATA				PARTS KEY NO.
		WATTS	VOLTS	CYCLES	RPM	
08AJ-51M/, 08AJ-51MV/ 08AJ-52M/, 08AJ-52MV/ 1AJ-1M/, 1AJ-1MV/ 1AJ-2M/, 1AJ-2MV/	* MANUAL 1A MANUAL	800 800 1000 1000	115AC 230AC 115AC 230AC	50 50 60 60	1500 1500 1800 1800	1
08AJ-51R/, 08AJ-51RV/ 08AJ-52R/, 08AJ-52RV/ 1AJ-1R/, 1AJ-1RV/ 1AJ-2R/, 1AJ-2RV/	* REMOTE 1A REMOTE	800 800 1000 1000	115AC 230AC 115AC 230AC	50 50 60 60	1500 1500 1800 1800	
105AJ-232E/, 105AJ-232EV/	1A BATTERY CHARGER	1500	32	DC	2400	3
2AJ-51M/, 2AJ-51MV/ 2AJ-52M/, 2AJ-52MV/ 205AJ-1M/, 205AJ-1MV/ 205AJ-2M/, 205AJ-2MV/	* 1A 1B 1C	2000 2000 2500 2500	115AC 230AC 115AC 230AC	50 50 60 60	3000 3000 3600 3600	4
2AJ-51P/ 2AJ-52P/ 205AJ-1P/ 205AJ-2P/	* 1A 1B 1C	2000 2000 2500 2500	115AC 230AC 115AC 230AC	50 50 60 60	3000 3000 3600 3600	
2AJ-53M/ 205AJ-3M/	* 1C	2000 2500	115/230AC 115/230AC	50 60	3000 3600	6
2AJ-53P/ 205AJ-3P/	* 1C	2000 2500	115/230AC 115/230AC	50 60	3000 3600	7

* This Spec Letter advances with manufacturing changes.

** Manual type plants are suitable for either stationary or portable service.
Manual pull rope cranking only.

Remote control type plants are designed primarily for permanent installations. Batteries required for electric starting, at the plant or from a remote control switch.

Battery charging type plants must be used only with batteries. The plant is electrically cranked.

Portable type plants are designed for easy portability. Manual pull rope cranking only.

NOTE: - FOR STATE OF PENNSYLVANIA APPROVED PLANTS, SEE SPECIAL GROUP.

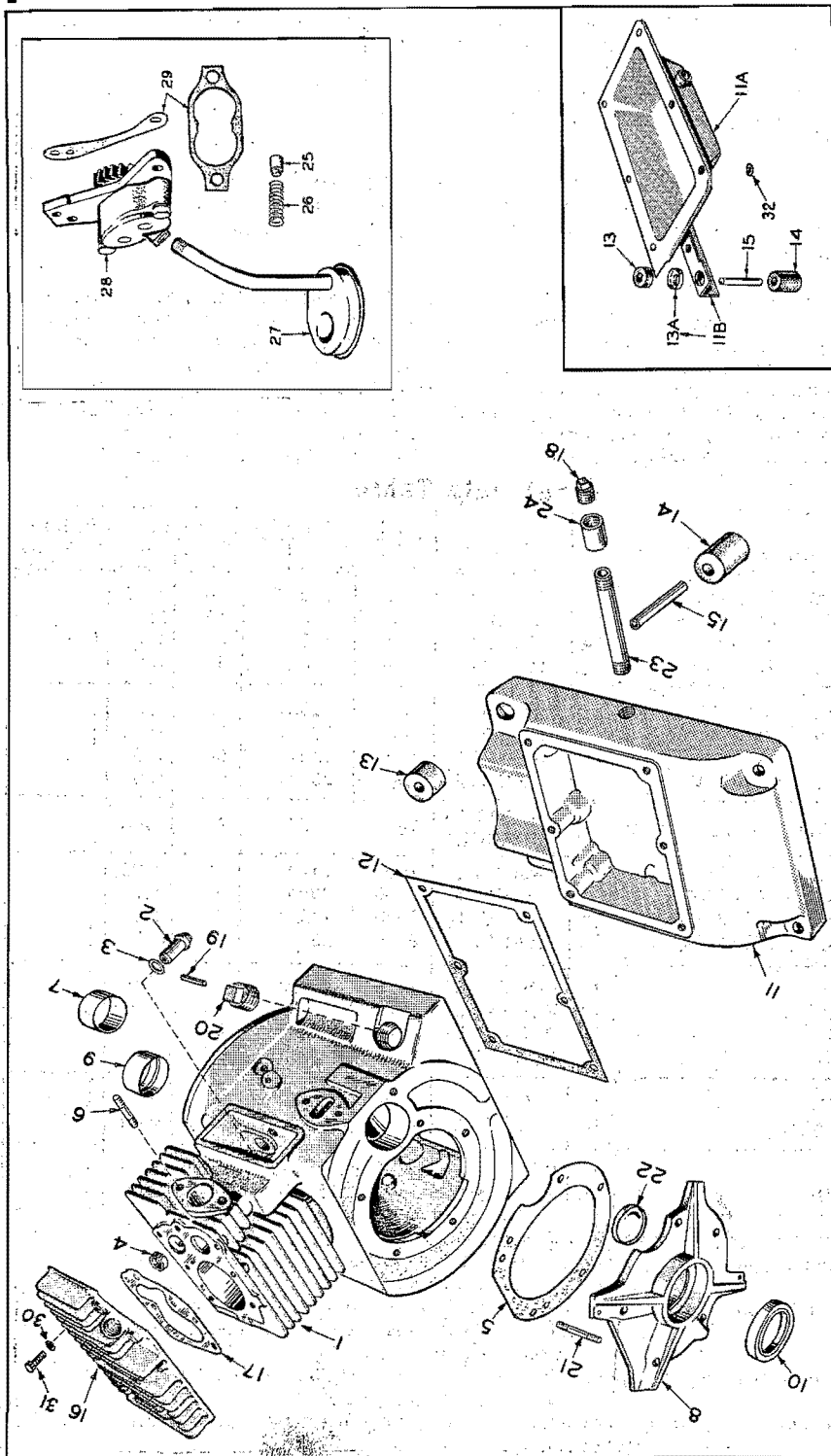


FIG. 1-CYLINDER BLOCK, OIL BASE AND OIL PUMP GROUP

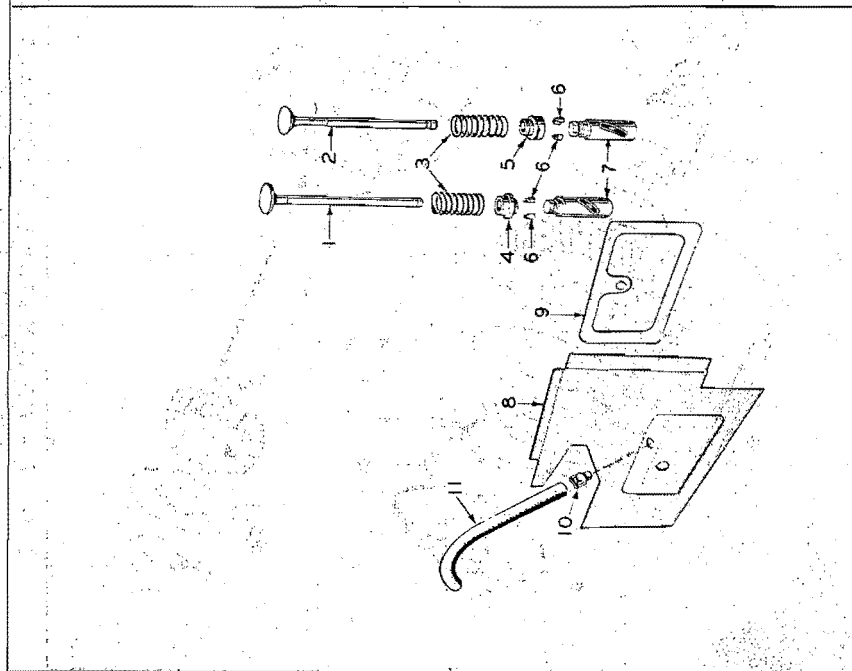


FIG. 2 - VALVE AND BREATHER GROUP

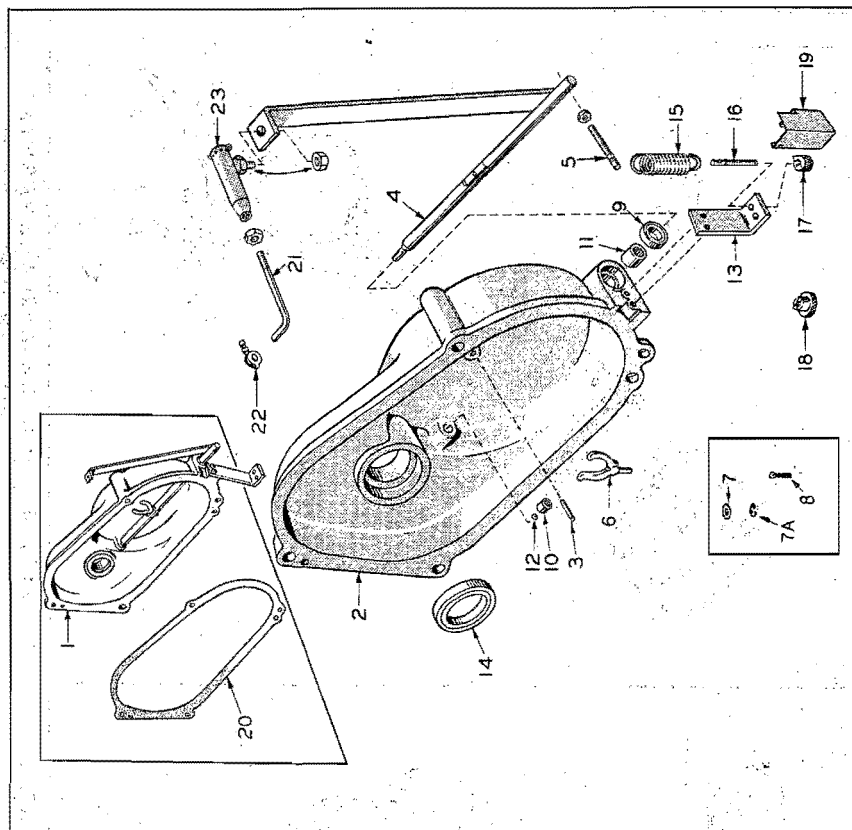


FIG. 3 - GEAR COVER GROUP

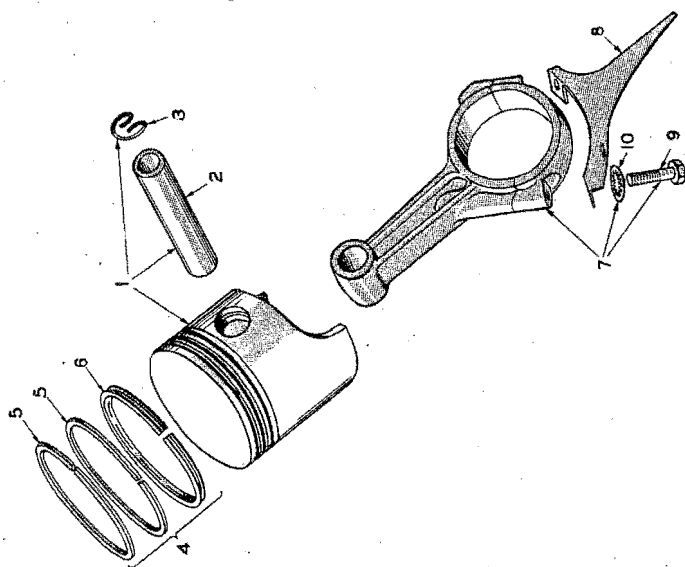


FIG. 5 - PISTON AND CONNECTING ROD GROUP

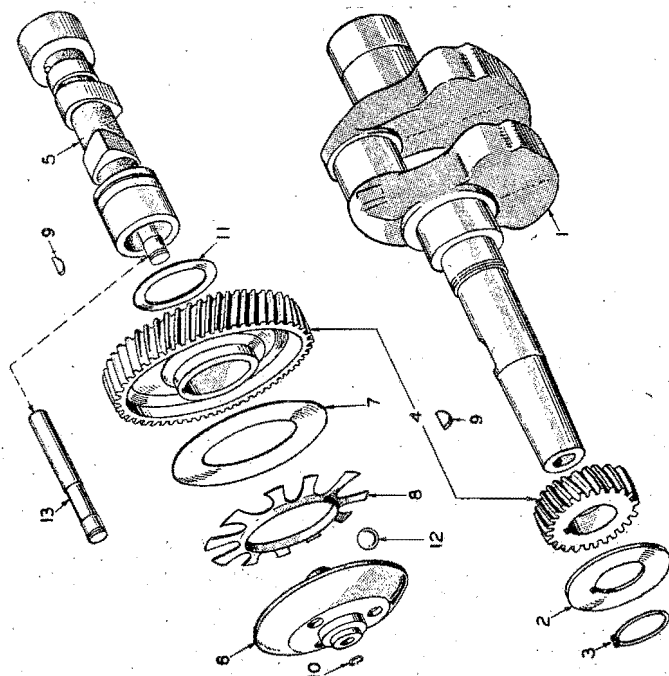


FIG. 4 - CRANKSHAFT, CAMSHAFT AND GOVERNOR CUP GROUP

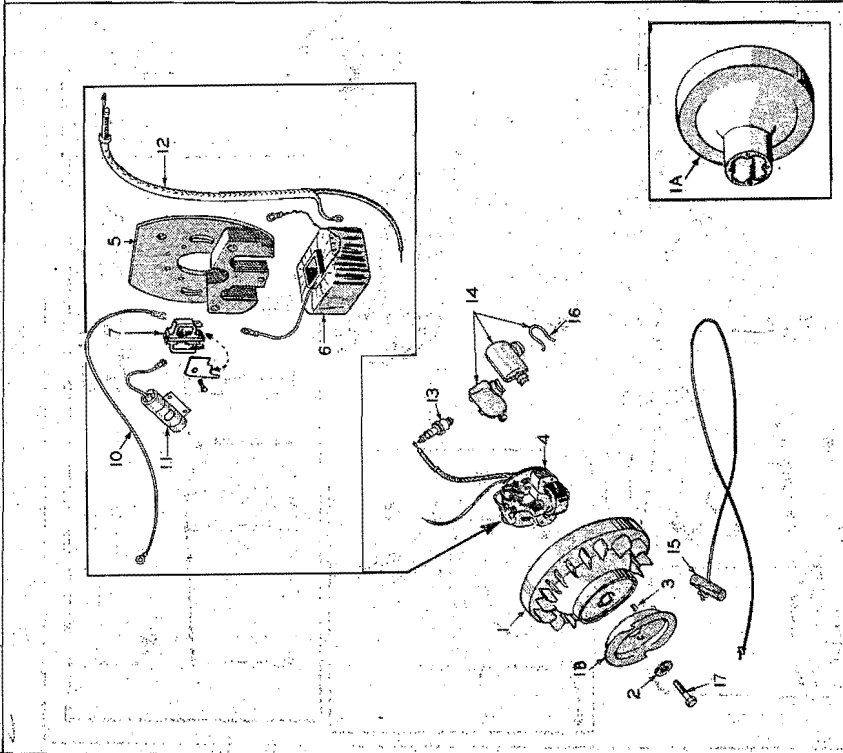


FIG. 6 - MAGNETO IGNITION GROUP

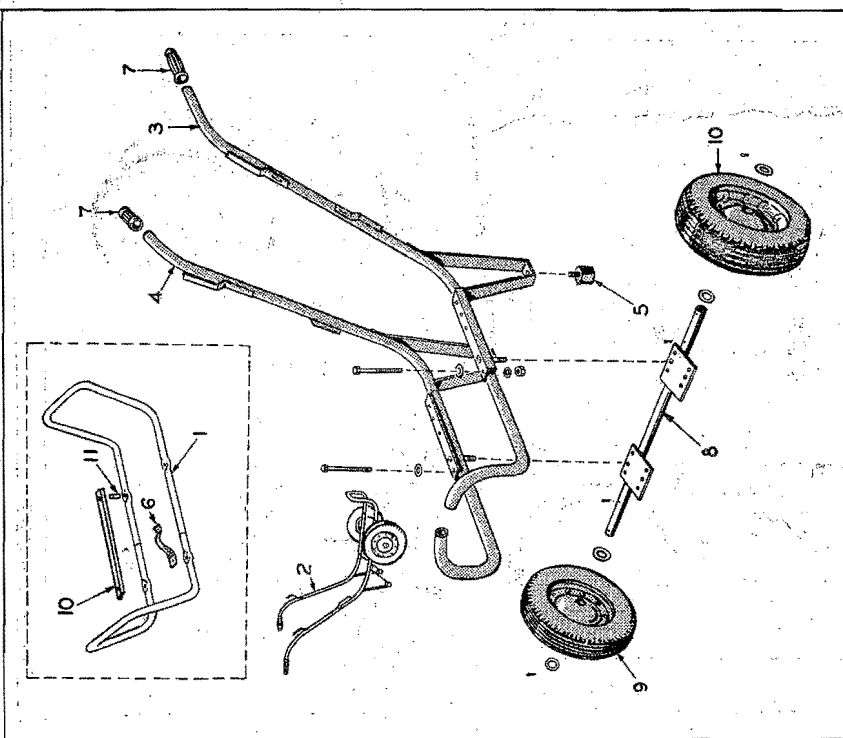


FIG. 7 - CARRYING FRAME AND DOLLY GROUP

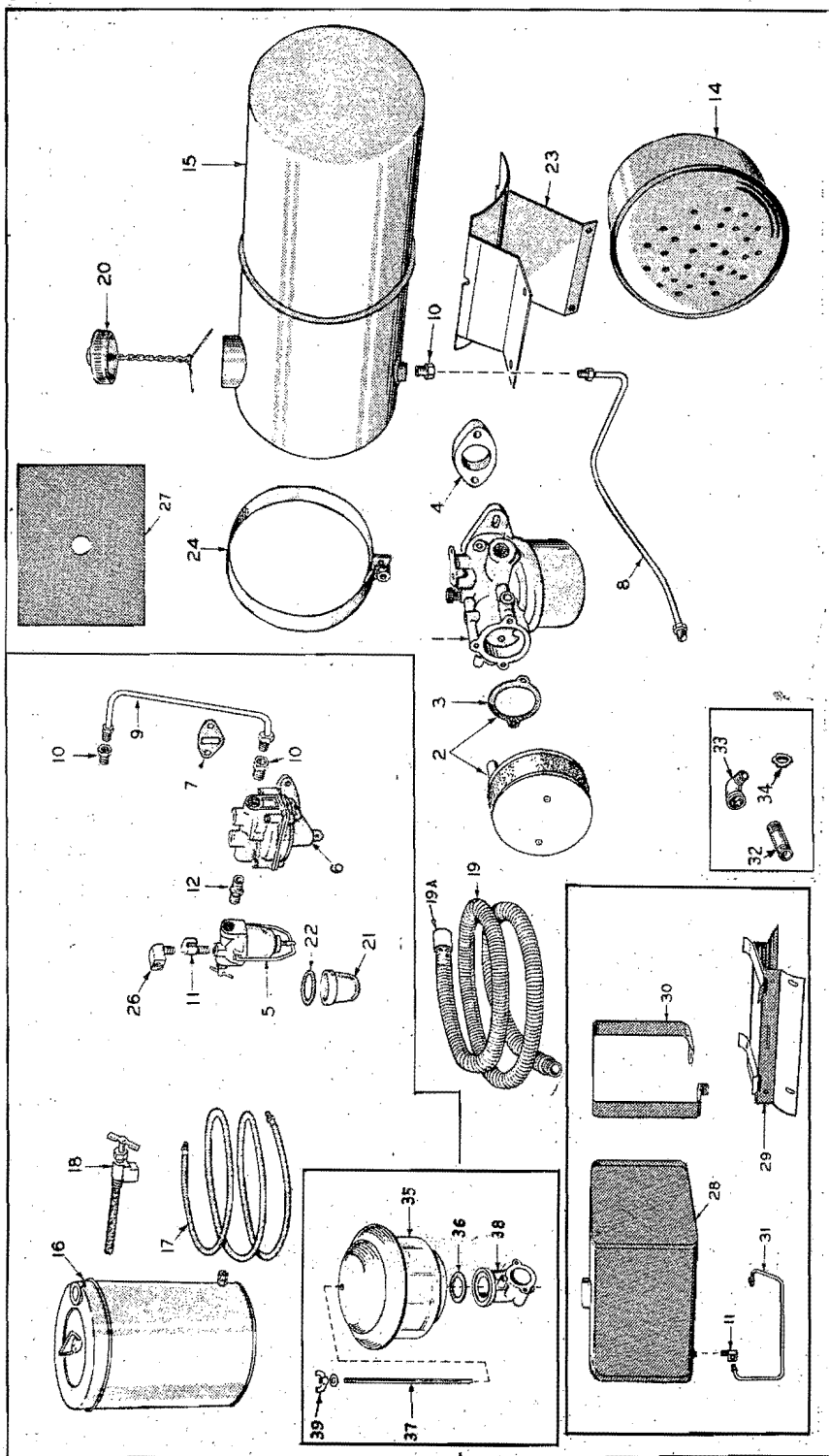


FIG. 8 - FUEL SYSTEM GROUP

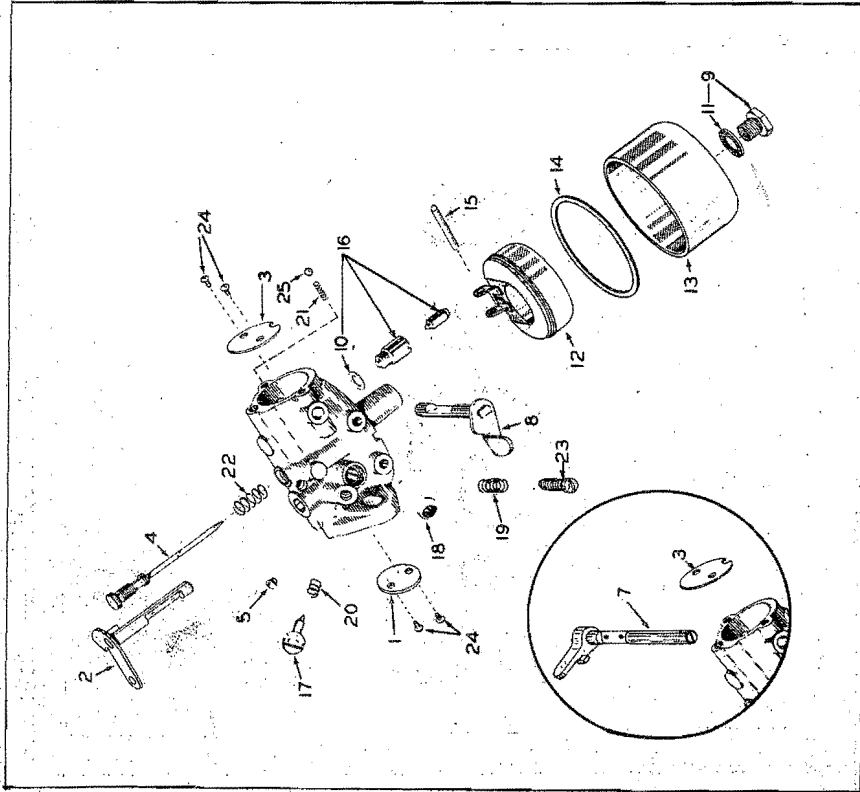


FIG. 9 - CARBURETOR PARTS GROUP

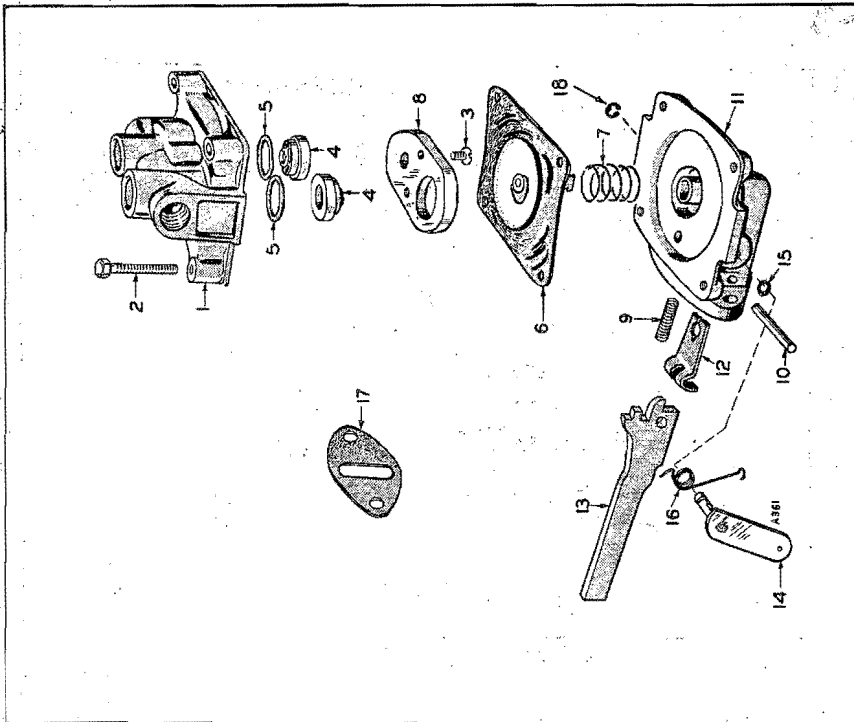


FIG. 10 - FUEL PUMP PARTS GROUP

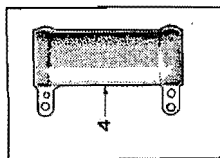
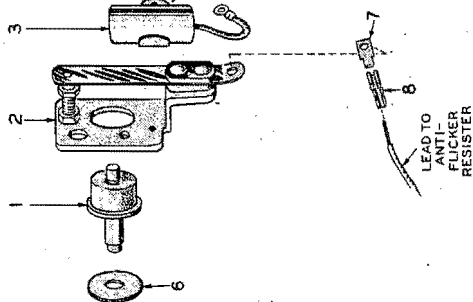
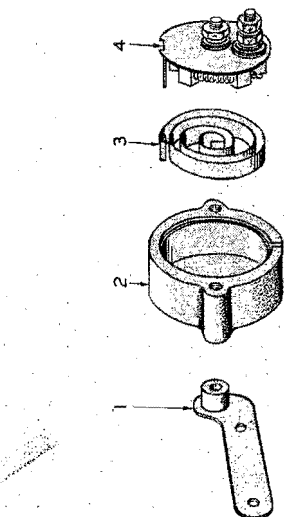


FIG. 11 - ELECTRIC CHOKER GROUP

FIG. 12 - ANTI-FLICKER GROUP

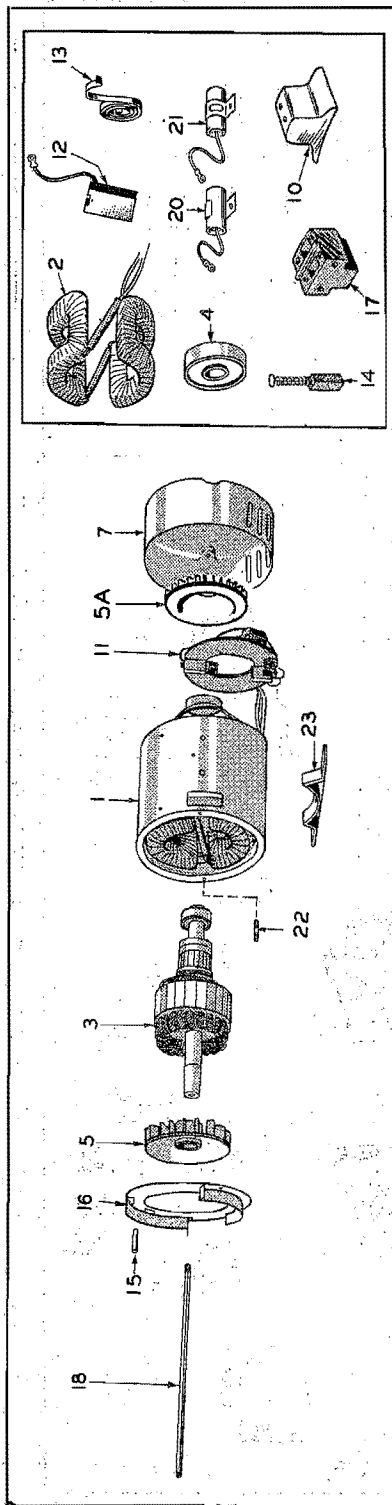


FIG. 13-GENERATOR GROUP - TWO POLE TYPE

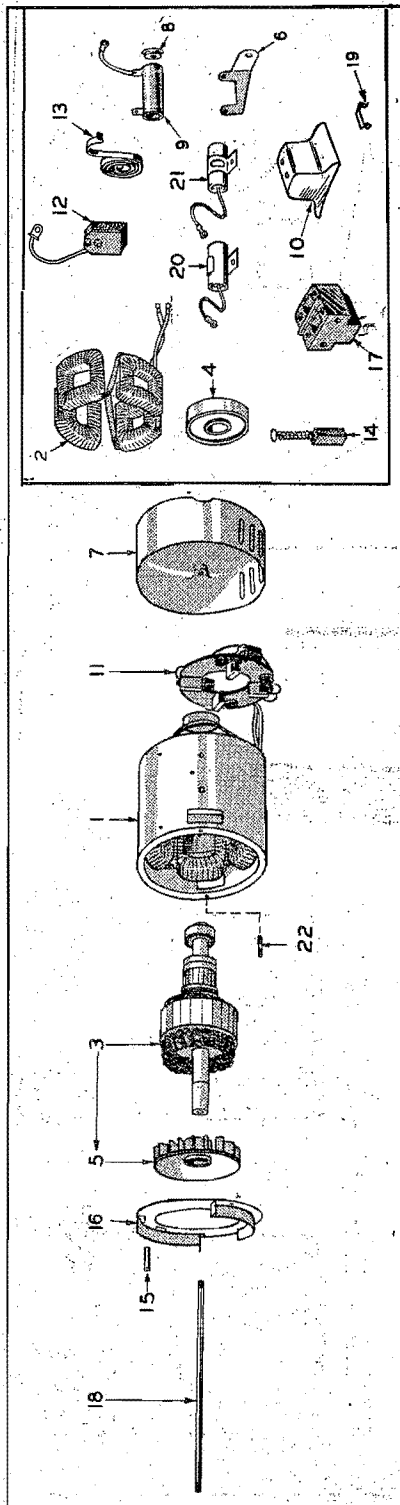


FIG. 14- GENERATOR GROUP - FOUR POLE TYPE

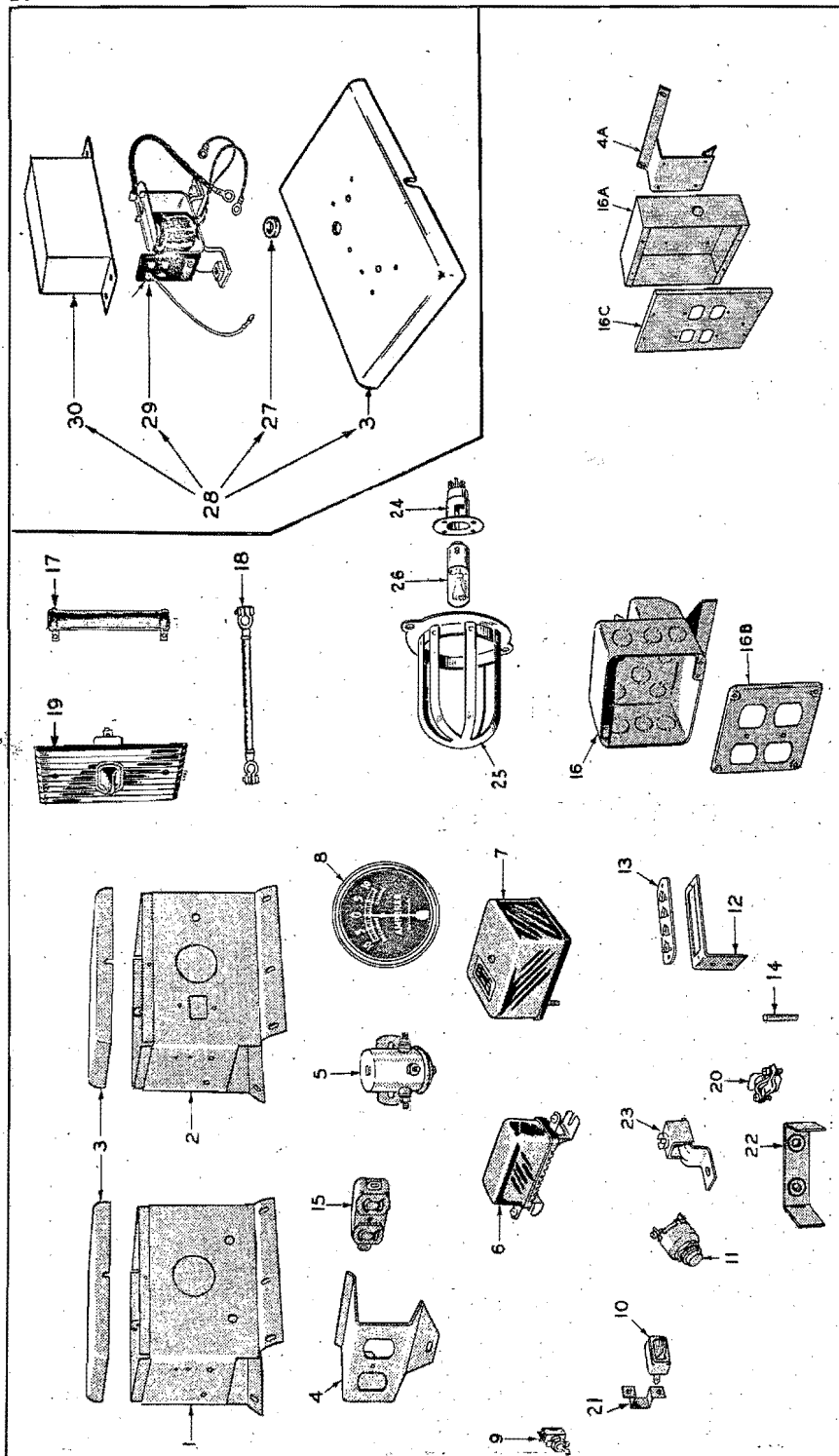


FIG. 15- CONTROL GROUP

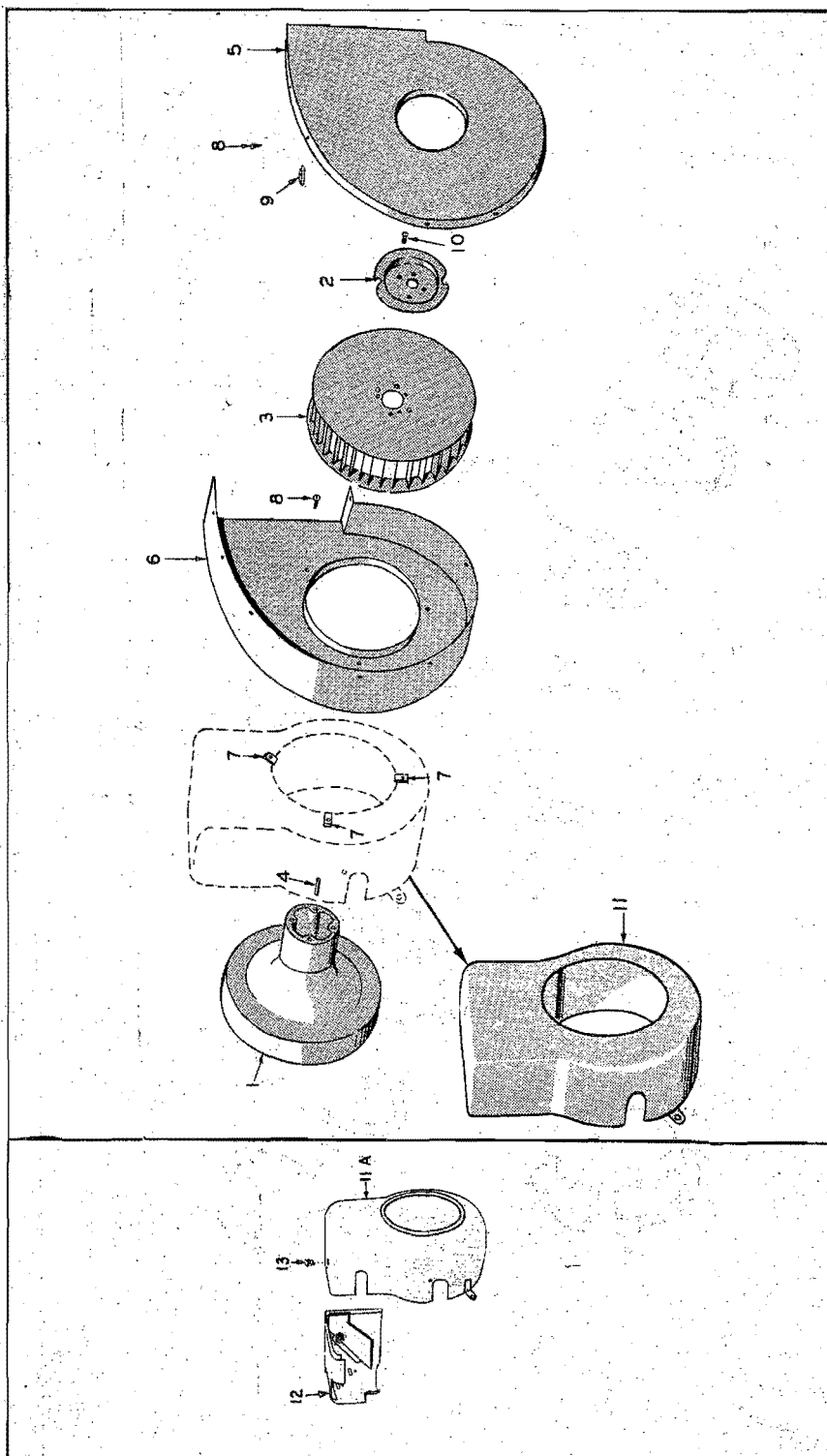


FIG. 16 - AIR HOUSING AND VACU-FLO COOLING GROUP

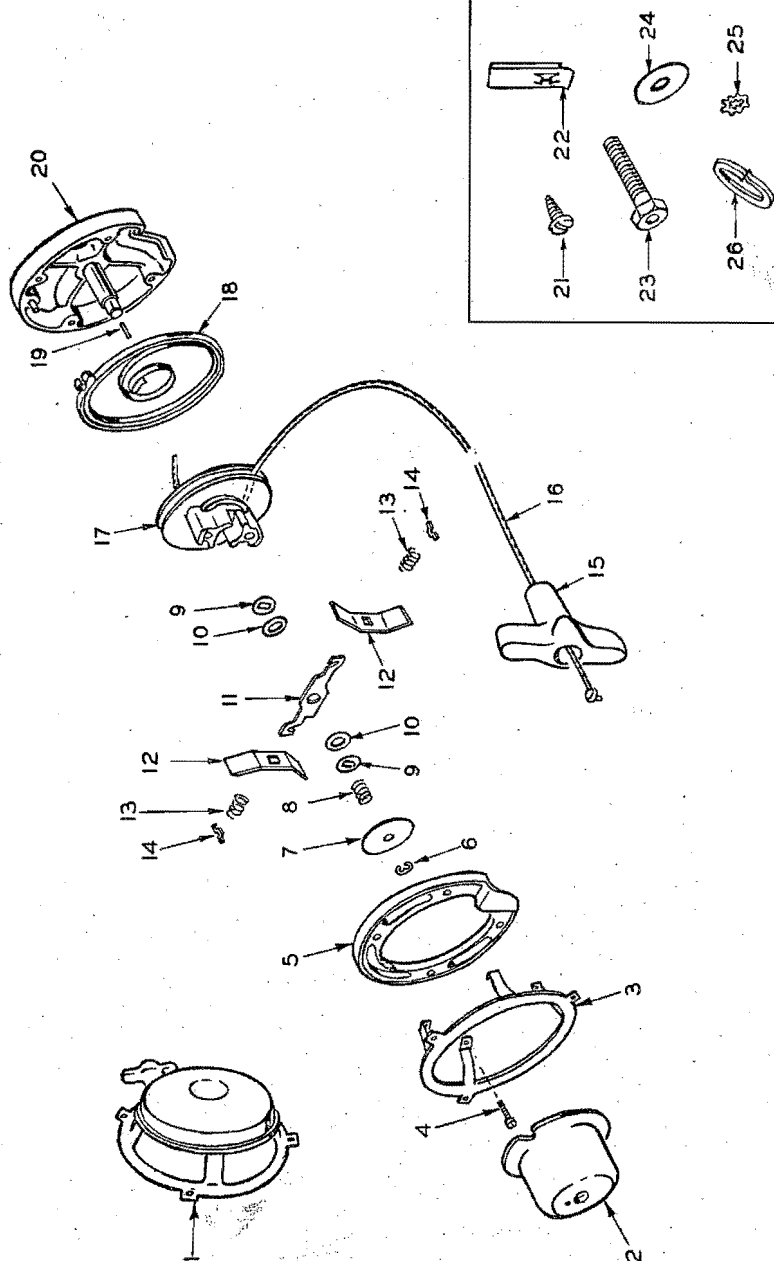


FIG. 17 - RECOIL ROPE STARTER GROUP

REF. NO. PART NO. QUANT. USED

DESCRIPTION

FIG. 1 - CYLINDER BLOCK, OIL BASE & OIL PUMP GROUP

1			Block Assembly, Cylinder - Includes parts marked †. For Plants with Parts Key No's. 1 through 3. (Note: See also next entry). For Plants with Parts Key No. 2 (Note: Use this Block only if Model has a Reservoir Tank).
2	110A877	1	For Plants with Parts Key Nos. 4 through 7.
3	110A441	2	†Guide, Valve.
4	110A68	1	†Gasket, Valve Guide - Intake.
5	110A826	1	†Insert, Exhaust Valve Seat.
6	101K257	1	†Gasket Kit, Bearing Plate to Engine (one .015", two .006").
7	520A363	4	Stud - 1/4"x 1-9/16" - (2) Carburetor Mounting, (2) Generator Frame Mounting.
8	101A49	2	†Bearing, Camshaft.
			†Plate, Rear Bearing and Generator to Engine - Includes Bearing #101A234 finished size - Specify Standard or 0.020" Undersize.
9	101A256	1	For Plants with Parts Key Nos. 1 through 3.
10	101A255	1	For Plants with Parts Key Nos. 4 through 7.
11	101A234	2	†Bearing, Crankshaft - Front or Rear - Sleeve Type - Requires line reaming.
12	509-1	1	Seal, Oil - Crankshaft Rear.
13	102D314	1	Base, Oil - Cast Iron - For Plants with Parts Key Nos. 1, 2, 3, 4 and 6.
14	102A319	1	Pan, Oil - Sheet Metal - For Plants with Parts Key Nos. 5 and 7.
15	403A381	1	Bracket, Engine Mounting - Includes 2 Engine End Centering Cups - For Plants with Parts Key Nos. 5 and 7.
16	102B18	1	Gasket, Oil Base or Pan.
17	402A44	4	Cushion, Rubber Mounting - Upper
18	402A76	4	For Plants with Parts Key Nos. 1, 2, 3, 4 and 6.
19	402A140	2	For Plants with Parts Key Nos. 5 and 7.
20			Cup, Centering - Upper Cushions - Generator End - For Plants with Parts Key Nos. 5 and 7.
21			Cushion, Rubber Mounting - Lower.
22	402A45	4	For Plants with Parts Key Nos. 1, 2, 3, 4 and 6.
23	402A45	2	For Plants with Parts Key Nos. 5 and 7 (Generator End).
24	402A144	2	For Plants with Parts Key Nos. 5 and 7 (Engine End).
25			Bushing, Cushion Spacing.
26	402A48	4	For Plants with Parts Key Nos. 1, 2, 3, 4 and 6.
27	402A141	2	For Plants with Parts Key Nos. 5 and 7 (Generator End).
28	402A142	2	For Plants with Parts Key Nos. 5 and 7 (Engine End).

PARTS LIST

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
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FIG. 1 - CYLINDER BLOCK, OIL BASE & OIL PUMP GROUP (Cont.)

16	110C834	1	Head, Cylinder.
17	110A836	1	Gasket, Cylinder Head.
18	505-110	1	Plug, Square Head Pipe - 3/8" - Oil Drain.
19	516A12	2	†Pin, Dowel - Gear Cover Alignment.
20	505-130	1	Plug, Square Head Pipe - 3/4" - Oil Fill.
21	520A526	5	†Stud, Rear Bearing Plate.
22	517-48 48	1	†Plug, Expansion - Rear Camshaft Bearing Opening.
23	505-76	1	Nipple, Pipe - 3/8" x 3" - Oil Drain Extension (Optional).
24	505-28	1	Coupling, Pipe - 3/8" - Oil Drain Extension (Optional).
25	120A12	1	Plunger, Oil By-Pass - For Plants with Parts Key Nos. 4 through 7.
26	120A140	1	Spring, Oil By-Pass Plunger - For Plants with Parts Key Nos. 4 through 7.
27	120A389	1	Cup and Pipe, Oil pump Intake - Includes Screen - For Plants with Parts Key Nos. 4 through 7.
28	120A200	1	Pump, Oil - For Plants with Parts Key Nos. 4 through 7 (Parts not sold separately).
29	120K161	1	Gasket Kit, Oil pump - For Plants with Parts Key Nos. 4 through 7.
30	526A122	6	Washer, Cylinder Head.
31			Screw, Hex Head - Hardened.
	110A879	4	Cylinder Head - 5/16"-18 x 1-1/4".
	110A284	3	Cylinder Head - 5/16"-18 x 1-1/2".
	110A284	2	Gear Cover - 5/16"-18 x 1-1/2".
32	526A127	3	Washer, Oil Pan Mounting - For Plants with Parts Key Nos. 5 and 7.
	120A387	1	†Tube, Crankcase Oil (Pressed in Block) Not illustrated (For Plants with Parts Key Nos. 4 through 7).
	505-274	1	Plug, Oil By-Pass - 1/8" x 1/4" (Replaces #505-8) For Plants with Parts Key Nos. 4 through 7.

† - Parts in Cylinder Block Assembly.

FIG. 2 - VALVE & BREATHER GROUP

1	110B828	1	Valve, Intake.
2	110B827	1	Valve, Exhaust - Stellite.
3	110A609	2	Spring, Valve.

REF. PART
NO. NO.

DESCRIPTION

FIG. 2 - VALVE & BREATHER GROUP (Cont.)

4	110A558	1	Retainer, Valve Spring - Intake.
5	110A540	1	Rotocap, Valve - Exhaust.
6	110A8	4	Lock, Valve Spring Retainer.
7	115A6	2	Tappet, Valve.
8	110B840	1	Cover, Valve Compartment.
9	110A832	1	Gasket, Valve Compartment Cover.
10	123A486	1	Valve, Breather - With 5/16" Ball.
11	503A271	1	Hose, Breather - 7/16" x 5-1/4".
	800-15	1	Screw, Hex Head Cap - 1/4-20 x 3" - Valve Compartment Cover.
	526-63	1	Washer, Flat - Copper - Valve Compartment Cover Screw.

FIG. 3 - GEAR COVER GROUP

1	103C141	1	Cover Assembly, Gear - Includes parts marked ▲.
2		1	▲Cover, Gear - Not Sold Separately.
3	516-117	1	▲Pin, Roll - 3/16 x 13/16" - Governor Cup Stop.
4	150A575	1	▲Arm and Shaft, Governor.
5	150A177	1	Stud, Governor Sensitivity Adjusting.
6	150A236	1	▲Yoke, Governor Shaft - Includes Retainer Ring #518-129 (NOTE: During Spec "A" the hole for cotter pin was deleted in favor of a Retaining Ring Groove, Number was not changed).
7	526-140	1	Washer, Flat - Governor Yoke (Used only on Spec "A" Models with Yoke drilled for Cotter Pin).
7A	518-129	1	▲Ring, Governor Yoke Retainer (Used only on models with Yoke grooved for Retainer Ring).
8	516-36	1	Pin, Cotter - Governor Yoke - 1/16 x 3/8" (Used only on Spec "A" Models with Yoke drilled for Cotter Pin).
9	509-8	1	▲Seal, Oil - Governor Shaft.
10	510-8	1	▲Bearing, Governor Shaft - Lower.
11	510-13	1	▲Bearing, Governor Shaft - Upper.
12	510-14	1	▲Ball, Governor Shaft Thrust.
13	150A156	1	▲Bracket, Governor Spring.

▲ - Parts in Gear Cover Assembly.

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
FIG. 3 - GEAR COVER GROUP (Cont.)			
14	509-12	1	▲ Seal, Oil - Crankshaft - Front.
15	150A98	1	Spring, Governor.
16	150A213	1	Stud, Governor Spring Tension Adjusting - Replaces #150A96.
17	150A89	1	Nut, Governor Adjusting - Small - For Plants with Parts Key No. 1, 2, 4, 5, 6 & 7.
18	150A33	1	Nut, Governor Adjusting - Large - For Plants with Parts Key No. 3.
19	150A198	1	Cover, Governor Spring.
20	103B13	1	Gasket, Gear Cover.
21	150A578	1	Link, Governor Arm to Carburetor.
22	518-4	1	Clip, Governor Link to Carburetor.
23	150A639	1	Joint, Ball - Replaces #150A300.

▲ - Parts in Gear Cover Assembly.

FIG. 4 - CRANKSHAFT, CAMSHAFT & GOVERNOR CUP GROUP

1	104C265	1	Crankshaft.
	104C236	1	For Plants with Parts Key No. 4 through 7.
2	104A50	1	For Plants with Parts Key No. 1 through 3.
3	518-12	1	Washer, Crankshaft Gear.
4	105-71	1	Ring, Lock - Crankshaft Gear Washer.
5	105A139	1	Gear Set, Timing - Crankshaft and Camshaft.
6	150B612	1	Camshaft and Pin Assembly.
7	150A77	1	Cup, Governor - Replaces #150B583.
8	150B85	1	Plate, Governor Ball.
9	515-1	2	Spacer, Governor Ball.
10	150A78	1	Key, Gear.
11	105A4	1	Ring, Lock - Camshaft Center Pin.
			Washer, Camshaft Thrust.

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
FIG. 7 - CARRYING FRAME & DOLLY GROUP			
NOTE: The Dolly equipment is OPTIONAL equipment for Plants with Parts Key Nos. 1, 4 and 6. The Dolly equipment is NOT designed for Portable Models (Parts Key Nos. 5 and 7).			
1	403K365	1	Frame, Carrying.
	403B454	1	For Plants with Parts Key Nos. 1, 4 and 6 (Optional) Includes Hardware.
			★ For Plants with Parts Key Nos. 5 and 7 (Standard Equipment) Note: This assembly is complete, with mounting cushions, channels, supports etc. Use to replace obsolete type #403A392.
2	410C219	1	Dolly, Complete - 2 Wheel - Includes parts marked † plus hardware.
3	410D216	1	† Base and Handle, Dolly - Right Hand - Less Grip.
4	410D215	1	† Base and Handle, Dolly - Left Hand - Less Grip (Carburetor Side).
5	402A40	2	† Cushion, Rubber - Dolly Foot - With 5/16"-18 Thread Stud.
6			Strap, Bond (Ground) Blower Housing to Carrying Frame.
	337A44	1	For Plants with Parts Key Nos. 1, 4 & 6 (6" Long) Optional Equipment.
	337A51	1	For Plants with Parts Key Nos. 5 and 7 (3" Long) Standard Equipment.
7	403-205	2	† Grip, Rubber - Dolly Handle.
8	410B222	1	† Axle, Dolly.
9	410P223	2	† Wheel and Tire, Dolly - 10 x 2.50".
10	402A169	2	★ Channel, Engine Mounting (Note: Used only with #403B454 Carrying Frame) For Plants with Parts Key Nos. 5 and 7.
11	402A171	4	★ Support, Engine Mounting Channel (Note: Used only with #403B454 Carrying Frame) For Plants with Parts Key Nos. 5 and 7.

† - Parts in Dolly Assembly

★ - Two types of Carrying Frames were used: (a) Obsolete type #403A392 had ROUND mounting holes in the frame and used CAPSCREWS: (b) Superceding type #403B454 has SQUARE mounting holes in the underside of the frame to permit the use of CARRIAGE BOLTS. This assembly, also uses (2) Engine Mounting channels #402A169 and (4) Channel Supports #402A171.

FIG. 8 - FUEL SYSTEM GROUP (GASOLINE FUEL ONLY)

See also optional Gas Fuel System Group

NOTE: Fuel System parts are arranged in sub groups according to Parts Key Numbers.

STANDARD PARTS: (Used with all Parts Key Nos. unless specified otherwise).

1	143B73	1	Carburetor.
	143B66	1	For Plants with Parts Key No. 4 through 7.
	143B68	1	For Plants with Parts Key Nos. 1 and 3.
			For Plants with Parts Key No. 2.

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
FIG. 8 - FUEL SYSTEM GROUP (GASOLINE FUEL ONLY) Cont.			
STANDARD PARTS: (Used With all Parts Key No's. unless specified otherwise). Cont.			
2	140A369	1	Cleaner, Air "Dry" Type.
3	145A111	1	Gasket, Air Cleaner or (Oil Bath Type) Adapter to Carburetor.
4	145A110	1	Gasket, Spacing - Carburetor Flange.
5	149B79	1	Filter, Fuel.
6	149C559	1	Pump, Fuel.
7	149A3	1	Gasket, Fuel Pump Mounting.
9	149A561	1	Line, Fuel - Pump to Carburetor.
10	502-3	2	Connector, Inverted Male - (1) Carburetor Inlet, (1) Fuel Pump Outlet.
11	502-2	1	Elbow, Inverted Male - Filter Inlet.
12	502-82	1	Nipple, Hex - Filter to Pump.
14			Muffler - Female Pipe Thread (Note: To Replace Male Thread Muffler use also #505-29 Coupling).
	155B488	1	For Plants with Parts Key No. 1 through 3.
	155B487	1	For Plants with Parts Key No. 4 through 7.
19	155B490	1	Tube, Exhaust - Flexible - For Plants with Parts Key No. 2 & 3.
19A	505-29	As Req.	Coupling, Exhaust Pipe - 3/4".
21	149-150	1	Bowl, Fuel Filter.
22	149A149	1	Gasket, Fuel Filter Bowl.
27	155A293	1	Plate, Exhaust Wall - For Plants with Parts Key No. 2 & 3.
32			Nipple, Pipe - Muffler.
	505-332	1	For Pressure Cooled Plants.
	505-341	1	For Vacu-Flo Cooled Plants.
33	505-51	1	Elbow, Street - 3/4" x 90° - Exhaust.
34	331-38	1	Locknut, Chase - 3/4" - Exhaust.
35	140B441	1	Cleaner, Air - Oil Bath Type.
36	140A443	1	Gasket, Air Cleaner to Adapter.
37	520A538	1	Stud, Air Cleaner Mounting.
38	140A446	1	Adapter, Air Cleaner.
39	865-11	1	Nut, Wing - Air Cleaner Mounting.

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
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FIG. 4 - CRANKSHAFT, CAMSHAFT & GOVERNOR CUP GROUP (Cont.)

12	510-15	10	Ball, Governor Fly.
	510-15	5	For Plants with Parts Key No. 1 through 3.
	510-15	5	For Plants with Parts Key No. 4 through 7.
13	150A75	1	Pin, Camshaft Center

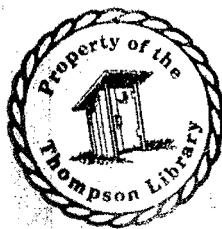
FIG. 5 - PISTON & CONNECTING ROD GROUP

1	112A74	1	Piston & Pin Assembly - Specify: Standard or, .010", .020", .030" Oversize. (Replaces #112-64).
2	112A63	1	Pin, Piston - Specify: Standard or, .002" Oversize.
3	112A13	2	Ring, Piston Pin Retaining.
4	113-84	1	Ring Set, Piston - Specify: Standard or, .010", .020", .030" Oversize.
5	113A76	2	Ring, Piston Compression - Specify: Standard or, .010", .020", .030" Oversize.
6	113A75	1	Ring, Piston Oil Control - Specify: Standard or, .010", .020", .030" Oversize.
7			Rod, Connecting - Specify Standard or, .020" Undersize.
	114A85	1	For Plants with Parts Key No. 1 through 3.
	114C95	1	For Plants with Parts Key No. 4 through 7.
8	114A89	1	Dipper, Oil - Connecting Rod - For Plants with Parts Key No. 1 through 3.
9	114A23	2	Screw, Hex Head - Connecting Rod Cap (Hardened).
10	854-14	2	Washer, Lock - I. T. Shakeproof - Connecting Rod Cap Screw.

FIG. 6 - MAGNETO IGNITION GROUP

1			Flywheel, Magneto.
	160C460	1	For PRESSURE COOLED plants (The letter "v" does NOT appear in the Plant Model No.).
	160C459	1	For Plants with Parts Key No. 4 through 7.
			For Plants with Parts Key No. 1 through 3.

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
FIG. 6 - MAGNETO IGNITION GROUP (Cont.)			
1A	160C470	1	Flywheel, Magneto (Cont.)
	160C466	1	For VACU-FLO COOLED plants (The letter "V" DOES appear in the Plant Model No.).
1B	192B261	1	For Plants with Parts Key No. 1 through 3.
2	526-141	1	For Plants with Parts Key No. 4 through 7.
3	515A113	1	Sheave, Rope.
4			Washer, Flywheel Mounting.
			Key, Flywheel Mounting.
	160A448	1	Backplate Assembly, Magneto - Includes parts marked §.
	160A487	1	For Plants with Parts Key No. 1, 4, 5, 6 & 7.
5	160A454	1	For Plants with Parts Key No. 2 & 3.
6	160B155	1	Backplate and poleshoe.
7	160K340	1	§Coil.
10			§Point Set, Contact (Replaces #160P456).
			§Lead, Stop.
	336A1025	1	For Plants with Parts Key No. 1, 4, 5, 6 & 7.
	336A345	1	For Plants with Parts Key No. 2 & 3.
11	312A33	1	§Condenser.
12	167A1272	1	§Lead, Hi-Tension- Spark Plug.
13	167-28	1	Plug, Spark.
14	167A67	1	Shield & Clamp, Spark Plug.
15	192A23	1	Rope & Handle, Manual Starting.
16	167A64	1	Clamp only, Spark Plug Shield.
17	104A237	1	Screw, Hex Head - Pilot Center - Flywheel Mounting.
§ - Parts in Magneto Backplate Assembly.			



REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
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FIG. 8 - FUEL SYSTEM GROUP (GASOLINE FUEL ONLY) Cont.

MOUNTED RECTANGULAR FUEL TANK (2 Gallon) Mounts over Generator.
(STANDARD EQUIPMENT for Plants with Parts Key No's. 1, 4, 5, 6 & 7).

11	502-2	1	Elbow, Inverted Male - Tank Outlet.
20	159A80	1	Cap, Fuel Tank.
28	159B234	1	Tank, Fuel.
29	159C485	1	Bracket, Fuel Tank Mounting.
30	159A487	2	Band, Fuel Tank Mounting.
31	159B505	1	Line, Fuel - Tank to Filter.

SEPARATE FUEL TANK (5 Gallon) Not Mounted - Separate from Plant.
(STANDARD EQUIPMENT for Plants with Parts Key No. 2 & 3).

16	415A10	1	Tank, Fuel.
17	501A27	1	Line, Fuel - Tank to Filter.
18	504A13	1	Cock, Fuel Shut off - Tank Outlet.
26	502-20	1	Elbow, Street - Filter Inlet.

MOUNTED ROUND FUEL TANK (1.4 Gallon) Mounts on Side of Engine.
(OPTIONAL EQUIPMENT for Plants with Parts Key No. 2 & 3).

8	159B504	1	Line, Fuel - Tank to Fuel Filter.
10	502-3	1	Connector, Inverted Male - Tank Outlet.
15	159B488	1	Tank, Fuel.
20	159A80	1	Cap, Fuel Tank.
23	159C486	1	Bracket, Fuel Tank Mounting.
24	159A154	2	Band, Fuel Tank Mounting.

REF. PART QUANT.
NO. NO. USED

DESCRIPTION

FIG. 9 - CARBURETOR PARTS GROUP (Gasoline)

143B73	1	Carburetor (Illustrated in Fuel System Group).
143B66	1	For Plants with Parts Key No. 4 through 7.
143B68	1	For Plants with Parts Key No. 1 & 3.
143K81	1	For Plants with Parts Key No. 2.
143K80	1	Repair Parts Kit, Carburetor - Includes Parts marked * and **.
145A111	1	**Gasket Kit, Carburetor - Includes parts marked *.
145A110	1	Gasket, Air Cleaner to Carburetor (Illustrated in Fuel System Group).
143-97	1	*Gasket, Spacing- Carburetor Flange (Illustrated in Fuel System Group).
143-98	1	Valve, Throttle.
143-99	1	Shaft and Lever, Throttle.
143-78	1	Valve, Choke.
143-30	1	**Needle, Idle Jet and High Speed Adjusting.
143-100	1	Plug, Idle Passage.
143-101	1	Shaft and Weight, Choke - For Plants with Parts Key No. 2.
143-118	1	Shaft and Lever, Choke - For Plants with Parts Key No. 1, 3, 4, 5, 6 & 7.
143A15	1	Screw and Gasket, Bowl.
143-36	1	*Gasket, Fuel Inlet Valve.
143-105	1	*Gasket, Bowl Screw.
143-119	1	Float and Lever.
143-77	1	Bowl.
143-107	1	*Gasket, Bowl Ring.
143-39	1	Pin, Float Lever.
143-109	1	**Valve, Fuel Inlet.
143-110	1	Screw, Idle Adjustment.
143-111	1	Plug, Welch.
143-112	1	Spring, Throttle Lever Adjusting Screw.
143-113	1	Spring, Idle Adjustment Screw.
143-114	1	Spring, Choke Shaft - For Plants with Parts Key No. 1, 3, 4, 5, 6 & 7.
143-115	1	Spring, High Speed Adjusting Needle.
812-14	4	Screw, Throttle Lever Adjusting.
143-117	1	**Screw, Round Head - #3-48 x 3/16 - Choke and Throttle Valve Attaching.
		Ball, Choke Shaft - For Plants with Parts Key No. 1, 3, 4, 5, 6 & 7.

* - Parts in Gasket Kit.

* & ** - Parts in Repair Kit.

REF. PART
NO. NO.

QUANT.
USED

DESCRIPTION

FIG. 10 - FUEL PUMP PARTS GROUP

1	149C559	1	Pump, Fuel-with primer lever (Illustrated in Fuel System Group).
2	149K526	1	Repair Parts Kit, Fuel Pump - Includes parts marked •.
3	815-148	1	Body, Upper - Not Sold Separately.
4	815-147	4	Screw, Hex - Self Tapping - #8-32 x 7/8" - Pump Assembly.
5	149-96	2	Screw, Phillips Flat Head - Self Tapping - #6-32 x 5/8" - Valve Retainer.
6	149A95	2	• Valve and Cage.
7	149A582	2	• Gasket, Valve.
8	149A93	1	• Diaphragm Assembly.
9	149A539	1	• Spring, Diaphragm.
10	149A94	1	Retainer, Valve Cage.
11	516A113	1	• Spring, Rocker Arm.
12	149A87	1	Pin, Rocker Arm.
13	149A86	1	Body, Lower - Not Sold Separately.
14	149A551	1	Link, Rocker Arm (Replaces Link #149A544).
15	509-65	1	Arm, Rocker (Replaces Arm #149A545).
16	149A404	2	Lever, Hand Primer.
17	149A3	1	Seal, "O" Ring.
18	518-129	1	Spring, Fuel Pump Primer Lever.
		1	• Gasket, Fuel Pump Mounting.
		1	Ring, Retainer - Hand Primer Lever.

• - Parts in Repair Kit.

FIG. 11 - ELECTRIC CHOKE GROUP

1	153A196	1	NOTE: For Gasoline Fuel Plants with Parts Key No. 2.
2	153A58	1	Adapter, Choke to Carburetor.
3	153A17	1	Bracket Housing.
4	153A114	1	Element, Bimetal.
		1	Cover Assembly - Includes 24 Volt Heating Element.

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
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FIG. 12 - ANTI-FLICKER GROUP

NOTE: For Plants with Parts Key No. 1 & 2.

1	160A447	1	Plunger Assembly - Includes plunger, guide and diaphragm. Does not include gasket #160A461.
2	160B478	1	Point Set, Contact.
3	312A19	1	Condenser - 0.5 Mfd.
4			Resistor, Fixed (Mounted in Generator) Listed and Illustrated also in Generator Group.
	304A320	1	For 60 Cycle Plants.
	304A345	1	For 50 Cycle Plants.
5	166A254	1	Cover, Contact Points.
6	160A461	1	Gasket, Plunger Guide.
7	332A527	1	Terminal, Solderless - Male Only - Lead Connection.
8	332P529	1	Terminal, Solderless - Female only - Fastens to Lead.
	815-187	1	Screw, Round Head - Self Tapping - #10-32 x 1-1/4" - Cover Mounting.
	304A304	1	Bracket, Resistor Mounting (Listed and Illustrated also in Generator Group).
	304A14	2	Washer, Resistor Centering - 9/16" O.D. (Listed and Illustrated also in Generator Group).

FIG. 13 - GENERATOR GROUP - 2 POLE TYPE

NOTE: Generator Parts are arranged in sub groups according to Parts Key Number.

For Plants with Parts Key No. 4 & 5.

1			Frame & Bearing Support - Machined & Drilled - Less Coils & Poleshoes.
	210B1464	1	For Spec "A" Models.
	210B1522	1	For Spec "B" Models.
	210B1532	1	For Models Spec "C" & "D".
	210B1562	1	For Models Begin Spec "E".
2	222A1419	1	Coil Assembly, Field - Set of 2 Coils wired together.
3			Armature Assembly - Includes: Blower & Bearing Prior to Spec "B", Bearing only Begin Spec "B".
	201A799	1	For 115 Volt - 50 Cycle - Spec "A" Models.
	201A811	1	For 115 Volt - 50 Cycle - Models Begin Spec "B".
	201A795	1	For 230 Volt - 50 Cycle - Spec "A" Models.
	201A812	1	For 230 Volt - 50 Cycle - Models Begin Spec "B".

REF. NO. PART NO. QUANT. USED

DESCRIPTION

FIG. 13 - GENERATOR GROUP - 2 POLE TYPE (Cont.)

		Armature Assembly (Cont.)
	201A679	For 115 Volt - 60 Cycle - Spec "A" Models.
	201A800	For 115 Volt - 60 Cycle - Models Begin Spec "B".
	201A753	For 230 Volt - 60 Cycle - Spec "A" Models.
	201A810	For 230 Volt - 60 Cycle - Models Begin Spec "B".
4	510A47	Bearing, Ball - Armature.
5		Blower, Armature.
	205B47	For Spec "A" Models. (Mounts at Engine End).
	205B56	For Models Begin Spec "B". (Mounts at Brush Rig End).
7		Cover, Generator End.
	232C1214	For Spec "A" Models.
	234C4	For Models Spec "B", "C", & "D".
	234C34	For Models Begin Spec "E".
10	221B112	Shoe, Pole.
11	212C215	Rig Assembly, Brush - Includes Brushes and Springs.
12	214A1	Brush, Commutator.
13	212A1003	Spring, Commutator Brush.
14	214A59	Brush and Spring, Collector Ring (Replaces #214A35).
15	232A1197	Spacer - 3/8" O.D. Tubing - Mounting Scroll - Spec "A" Only.
16	234B7	Scroll, Air - Generator Ventilating - Spec "A" Only.
17	212A1084	Guide, Slip Ring Brush.
18		Stud, Armature Through.
	520A280	For Spec "A" Models.
	520A56	For Models Begin Spec "B".
20	312A17	Condenser, DC - 0.5 Mfd.
21		Condenser, AC - 0.1 Mfd.
	312A15	For 115 Volt Models.
	312A58	For 230 Volt Models.
22	520A363	Stud, Generator Frame to Engine - Listed also in Cylinder Block Group.
23	232B1282	Bracket, Generator Mounting - For Plants with Parts Key No. 5 only.

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
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FIG. 13 - GENERATOR GROUP - 2 POLE TYPE (Cont.)

For Plants with Parts Key No. 6 & 7.			
1	210B1543	1	Frame & Bearing Support - Machined & Drilled - Less Coils & Poleshoes.
2	222A1419	1	Coil Assembly, Field - Set of 2 Coils wired together.
3			Armature Assembly - Includes Bearing.
	201A853	1	For 50 Cycle Models.
	201A829	1	For 60 Cycle Models.
4	510A47	1	Bearing, Ball - Armature.
5	205B56	1	Blower, Armature. (Mounts at Brush Rig End).
7	234C31	1	Cover, Generator End.
10	221B112	2	Shoe, Pole.
11	212C230	1	Rig Assembly, Brush - Includes Brushes and Springs.
12	214A1	2	Brush, Commutator.
13	212A1003	2	Spring, Commutator Brush.
14	214A59	6	Brush and Spring, Collector Ring (Replaces #214A35).
17	212A1162	2	Guide, Slip Ring Brush.
18	520A536	1	Stud, Armature Through.
20	312A17	1	Condenser, DC - 0.5 Mfd.
21	312A58	2	Condenser, AC - 0.1 Mfd.
22	520A363	2	Stud, Generator Frame to Engine (Listed also in Cylinder Block Group).
23	232B1282	1	Bracket, Generator Mounting - For Plants with Parts Key No. 7 only.

FIG. 14 - GENERATOR GROUP - 4 POLE TYPE

NOTE: Generator Parts are arranged in sub groups according to Parts Key Number.

For Plants with Parts Key No. 1 & 2.

1	210B1449	1	Frame & Bearing Support, Generator - Machined & Drilled - Less Coils & Poleshoes.
	210B1593	1	For Models Prior to Spec "E".
			For Models Begin Spec "E".
2	222A1407	1	Coil Assembly, Field - Set of 4 Coils wired together.
	222A1400	1	For Plants with Parts Key No. 1.
			For Plants with Parts Key No. 2.

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
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FIG. 14 - GENERATOR GROUP - 4 POLE TYPE (Cont.)

For Plants with Parts Key No. 1 & 2 (Cont.)

3			Armature Assembly - Includes Blower & Bearing.
	201A688	1	For 115 Volt - 50 Cycle Models.
	201A798	1	For 230 Volt - 50 Cycle Models.
	201A677	1	For 115 Volt - 60 Cycle Models.
	201A721	1	For 230 Volt - 60 Cycle Models.
4	510A47	1	Bearing, Ball - Armature.
5	205B47	1	Blower, Armature (Mounts at Engine End).
6	304A304	1	Bracket, Resistor Mounting.
7			Cover, Generator End.
	232C1214	1	For Models Spec "A" - "D".
	232C41	1	For Models Begin Spec "E".
8	304A14	2	Washer, Resistor Centering.
9			Resistor, Fixed - Anti-Flicker (Listed also in Anti-Flicker Group).
	304A320	1	For 60 Cycle Plants.
	304A345	1	For 50 Cycle Plants.
10	221B110	4	Shoe, Pole.
11	212C209	1	Rig Assembly, Brush - Includes Brushes and Springs.
12	214A41	4	Brush, Commutator.
13	212A1003	4	Spring, Commutator Brush.
14	214A59	4	Brush and Spring, Collector Ring (Replaces #214A35).
15	232A1197	2	Spacer - 3/8" O.D. Tubing - Mounting Scroll.
16	234B7	1	Scroll, Air - Generator Ventilating.
17	212A1064	2	Guide, Slip Ring Brush.
18	520A274	1	Stud, Armature Through.
20	312A17	1	Condenser, DC - 0.5 Mfd.
21			Condenser, AC - 0.1 Mfd.
	312A15	1	For 115 Volt Models.
	312A58	1	For 230 Volt Models.
22	520A363	2	Stud, Generator Frame to Engine - Listed also in Cylinder Block Group.

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
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FIG. 14 - GENERATOR GROUP - 4 POLE TYPE (Cont.)

For Plants with Parts Key No. 3			
1	210C240	1	Frame only, Generator - Machined & Drilled - Less Coils & Poleshoes.
	210C279	1	For Models prior to Spec "E".
	222A1411	1	For Models Begin Spec "E".
2	222A1411	1	Coil Assembly, Field - Set of 4 Coils wired together.
3	201A693	1	Armature Assembly - Includes Blower and Bearing.
4	510A47	1	Bearing, Ball - Armature.
5	205B47	1	Blower, Armature.
7			Cover, Generator End.
	232C1214	1	For Models Spec "A" - "D".
	232C41	1	For Models Begin Spec "E".
10	221B114	4	Shoe, Pole.
11	212C221	1	Rig and Bearing Hub, Brush - Includes Brushes & Springs.
12	214A47	4	Brush, Commutator.
13	212A1106	4	Spring, Commutator Brush.
15	232A1197	2	Spacer - 3/8" O.D. Tubing - Mounting Scroll.
16	234B7	1	Scroll, Air - Generator Ventilating.
18	520A275	1	Stud, Armature Through.
19	232A596	1	Clip, Armature Bearing Stop.
20	312A17	1	Condenser - 0.5 Mfd.
22	520A363	2	Stud, Generator Frame to Engine - Listed also in Cylinder Block Group.

FIG. 15 - CONTROL GROUP

For Plants with Parts Key Nos. 2 and 3 (NOTE: See also next entry).			
1	301D1127	1	Box Only, Control - For Plants with Parts Key No. 3.
2	301D1059	1	Box Only, Control - For Plants with Parts Key No. 2.
3			Cover, Control Box.
	301B1060	1	For Plants with Parts Key Nos. 2 and 3 (NOTE: See also next entry).
	301B1492	1	For Plants with Parts Key No. 2 with Line Transfer Control only.
4	301B1146	1	Bracket, Receptacle Box - For Plants with Parts Key Nos. 1, 4, 5, 6 & 7 Prior to Spec "C".
4A	301C1372	1	Bracket, Receptacle Box - For Plants with Parts Key No. 4 through 7 Begin Spec "C".

REF. NO. PART NO. QUANT. USED

DESCRIPTION

FIG. 15 - CONTROL GROUP (Cont.)

5		Switch, Start Solenoid.
	307B40	For Plants with Parts Key No. 2.
	307B61	For Plants with Parts Key No. 3.
6	307B180	Relay, Reverse Current - For Plants with Parts Key No. 2.
7	307B185	Relay, Reverse Current - For Plants with Parts Key No. 3.
8		Ammeter, Charge.
	302A58	For Plants with Parts Key No. 2.
	302A62	For Plants with Parts Key No. 3.
9	308-2	Switch, High-Low Charge Rate - For Plants with Parts Key No. 2.
10	308-90	Switch, Start-Stop - For Plants with Parts Key No. 2.
11	308A29	Switch, Start or Stop - For Plants with Parts Key No. 3.
12	332A198	Bracket, Terminal Block - For Plants with Parts Key No. 2 & 3.
13	332A222	Block, Terminal - 4 Post - For Plants with Parts Key No. 2 & 3.
14	332A125	Stud, Brass - 1/4-20 x 1-3/4" - For Plants with Parts Key No. 3.
15		Receptacle.
		For Plants with Parts Key No. 1.
	323P48	115 Volt Models - 2 Prong (Early Models only).
	323P184	115 Volt Models - 3 Prong (2 parallel blades, 1 grounding pin).
	323-213	230 Volt Models - 3 Prong (2 tandem blades, 1 grounding pin).
		For Plants with Parts Key No. 4.
	323P48	115 Volt Models - 2 Prong (Early Models only).
	323P184	115 Volt Models - 3 Prong (2 parallel blades, 1 grounding pin) Prior to Spec "C".
	323P184	115 Volt Models - 3 Prong (2 parallel blades, 1 grounding pin) Begin Spec "C".
	323-213	230 Volt Models - 3 Prong (2 tandem blades, 1 grounding pin) Prior to Spec "C".
	323-213	230 Volt Models - 3 Prong (2 tandem blades, 1 grounding pin) Begin Spec "C".
		For Plants with Parts Key No. 5.
	323P184	115 Volt Models - 3 Prong (2 parallel blades, 1 grounding pin).
	323-213	230 Volt Models - 3 Prong (2 tandem blades, 1 grounding pin).
		For Plants with Parts Key No. 6 & 7.
	323P184	All Models - 3 Prong (2 parallel blades, 1 grounding pin).
	323-213	All Models - 3 Prong (2 tandem blades, 1 grounding pin).

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
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FIG. 15 - CONTROL GROUP (Cont.)

16	330B44	1	Box and Bracket, Receptacle - For Plants with Parts Key No. 5 - Spec "B" only.
16A	301C1373	1	Box, Receptacle - For Plants with Parts Key No. 4 through 7 - Begin Spec "C".
16B	330-42	1	Cover, Receptacle Box - For Plants with Parts Key No. 5 - Spec "B" only.
16C	301B1392	1	Cover, Receptacle Box - For Plants with Parts Key No. 4 through 7 - Begin Spec "C".
17	304-66	1	Resistor, Charge - Adjustable - 10 Ohm, 50 Watt - 3/4" x 4" - For Plants with Parts Key No. 2.
18	416A77	2	Cable, Battery - 28" Long - For Plants with Parts Key No. 2.
19	416A4	1	Cable, Battery Jumper - 6-3/4" Long - For Plants with Parts Key No. 2.
19	308A94	1	Switch and Plate, Momentary Contact - Remote Start-Stop (Optional) For Plants with Part Key No. 2.
20	331-27	1	Connector, Load Conductor (Romex) For Plants with Parts Key Nos. 5 & 7.
21	301A974	1	Bracket, Start-Stop Switch Mounting - For Plants with Parts Key No. 2.
22	302P270	1	Bracket, Meter - For Plants with Parts Key No. 2.
23	332-142	1	Terminal, Solderless - Generating Plant Ground - For Plants with Parts Key Nos. 1, 2, 4, 5, 6 & 7.
24	322-21	1	Receptacle, Pilot Light - For Plants with Parts Key Nos. 4 through 7 - Begin Spec "C".
25	322A22	1	Guard, Pilot Light - For Plants with Parts Key No. 4 through 7 - Begin Spec "C".
26			Bulb, Pilot Light.
	322-59	1	230 Volt Models with Parts Key Nos. 4 & 5 - Begin Spec "C".
	322-11	1	115 Volt Models with Parts Key Nos. 4 & 5 - Begin Spec "C".
	322-11	1	All Models with Parts Key No. 6 & 7.
27	508A2	1	Grommet, Rubber - 3/8" - Models W/Line Transfer Control only - (On Control Box Cover) For Plants with Parts Key No. 2.
28	300C224	1	Relay Assembly, Start-Disconnect - Complete - Models with Line Transfer Control only - For Plants with Part Key No. 2.
29	306B28	1	Relay, Start-Disconnect - Models with Line Transfer Control only - For Plants With Parts Key No. 2.
30	301B1493	1	Cover, Start-Disconnect Relay - Models W/Line Transfer Control only - For Plants with Parts Key No. 2.
	332A523	1	Strip, Solenoid Terminal Jumper - 1/16 x 5/8" Copper Strip - For Plants with Parts Key Nos. 2 & 3.
	160A144	2	Strap, Receptacle Jumper - Copper Strip - For Plants with Parts Key No. 5 - Spec "B" only.
	323P215	As Req.	Plug, Receptacle Load Wires - 3 Prong - Parallel Blades.
	323P216	As Req.	Plug, Receptacle Load Wires - 3 Prong - Tandem Blades.

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
FIG. 16 - AIR HOUSING & VACU-FLO COOLING GROUP			
NOTE: The letter "V" appears in the MODEL NO. of Vacu-Flo cooled plants. Vacu-flo cooling is an optional, factory installed feature.			
1	160C470	1	Flywheel, Magneto - Vacu-Flo plants only (listed also in Magneto Group).
	160C466	1	For Plants with Parts Key No. 1 through 3.
2	192B261	1	For Plants with Parts Key Nos. 4 & 6.
3	134C563	1	Sheave, Rope - Listed also in Magneto Ignition Group.
4	516-91	2	Wheel, Blower - Vacu-Flo plants only.
5	134D570	1	Pin, Groove - Sheave and Blower Wheel to Flywheel - Vacu-Flo plants only.
6	134D571	1	Scroll, Air - Front - Vacu-Flo Plants only.
7	870-119	1	Scroll, Air - Rear - Vacu-Flo Plants only.
8	809-43	11	Nut, Speed - "U" Type - Scroll to Blower Housing - Vacu-Flo Plants only.
9	870-120	8	Nut, Speed "J" Type - Scroll - Vacu-Flo Plants only.
10	812-150	2	Screw, Sheet Metal - #10 x 3/8" - Scroll - Vacu-Flo Plants only.
11	134D609	1	Nut, Speed "J" Type - Scroll - Vacu-Flo Plants only.
11A	134D519	1	Screw, Round Head - 1/4-20 x 5/8" - Sheave and Blower - Vacu-Flo Plants only.
12	134C518	1	Housing, Blower - Vacu-Flo Plants only.
13	313-18	1	Shroud, Cylinder Air.
			Button, Stop - For Plants with Parts Key Nos. 1, 4, 5, 6 & 7.

FIG. 17 - RECOIL ROPE STARTER GROUP

NOTE: Starter applicable to pressure cooled plants only.			
1	192P270	1	Starter Kit - Complete - Includes Cup and Mounting Ring.
2	192P273	1	Cup, Starter Engaging.
3	192C269	1	Ring, Adapter - Starter to Engine Housing.
4	815-191	4	Screw, Machine - Self Tapping.
5	192P274	1	Flange, Middle.
6	518-127	1	Ring, Retainer.
7	526-142	1	Washer, Brake Retainer.
8	192P275	1	Spring, Brake.
9	192P276	2	Washer, Brake.
10	192P279	2	Washer, Friction.

REF. PART
NO. NO.QUANT.
USED

DESCRIPTION

FIG. 17 - RECOIL ROPE STARTER GROUP (Cont.)

11	192P277	1	Lever, Brake.
12	192P278	2	Plate, Friction Shoe.
13	192P280	2	Spring, Friction Shoe.
14	192P281	2	Plate, Spring Retainer.
15	192P282	1	Handle - Includes Washer.
16	192P283	1	Cord only, Rewind Starter.
17	192P284	1	Rotor (Rope Sheave).
18	192P285	1	Spring, Rewind.
19	192P287	1	Pin, Centering.
20	192P286	1	Cover, Starter
21	809-44	3	Screw, Sheet Metal - #10 x 1/2".
22	870-119	3	Nut, Tinnerman.
23	104A237	1	Screw, Cup Mounting - with Pilot (Listed also in Magneto Ignition Group).
24	526-141	1	Washer, Flat - Cup Mounting (Illustrated also in Magneto Ignition Group).
25	856-3	3	Washer, Starter Ring to Engine Housing.
26	850-55	1	Washer, Lock - Cup Mounting.

OPTIONAL GAS FUEL SYSTEM GROUP (Not Illustrated)

NOTE: Refer first to this group for gas fuel system parts. For parts not listed in this group, refer to the gasoline fuel system group.

Kit, Gas (Only) Conversion - Contains the following parts:

148K273	1	Carburetor, Gas Fuel.
143B88	1	Valve, Choke - Included in Carburetor.
148A269	1	Valve, Needle - Main Adjusting - Included in Carburetor.
148A268	1	Counterweight, Choke Valve Shaft - Included in Carburetor.
148A267	1	Screw, Set - Socket Head - #8-32 x 3/16" - Counterweight - Included in Carburetor.
803-2	1	Regulator, Gas Pressure.
148A216	1	Bushing, Reducer - 3/4" x 1/2" - Regulator Outlet.
505-21	1	Hose, Regulator to Carburetor.
501A25	1	Clamp, Hose.
503-27	1	Cover, Fuel Pump Opening.
149A136	1	Gasket, Fuel Pump Opening Cover.
149A3	1	

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
OPTIONAL RESERVOIR (DAY) TANK GROUP (Not Illustrated)			
	159A121	1	Band, Reservoir Tank.
	159B567	1	Bracket, Reservoir Tank Mounting.
	415A55	1	Bracket, Reservoir Tank Vent Line Cap.
	502-50	1	Bushing, Pipe Reducer - 3/8" to 1/4" - Reservoir Tank Side.
	505-16	1	Bushing, Reducer - 3/8" to 1/8" - Reservoir Tank Vent Line.
	159-41	1	Cap, Reservoir Tank Vent.
	504A13	1	Cock, Fuel Shut Off - Reservoir Tank.
	502-116	1	Connector, Compression - With Nut & Sleeve - 1/8" Pipe Thread - Vent Line.
	505-28	1	Coupling, Reservoir Tank Vent Line - 3/8".
	502-2	1	Elbow, Inverted - Reservoir Tank Side.
	502-4	1	Elbow, Inverted - Reservoir Tank Top.
	159B566	1	Line, Carburetor to Reservoir Tank.
	159C569	1	Line, Pump to Reservoir Tank.
	505-57	1	Plug, Drain - 1/8" - Reservoir Tank.
	159B294	1	Tank, Reservoir (Day) 1 Quart.
	159A345	1	Tubing, Copper - Vent Line (12 Feet of 5/16" O.D.)

OPTIONAL OIL BASE HEATER GROUP (Not Illustrated)

333-3	1	Element, Oil Base Heater.
309-29	1	Thermostat.
333A12	1	Box, Thermostat.
333A13	1	Cover, Thermostat Box.
133A3	1	Guard, Thermostat.
333A17	1	Cable, Heater Connection.

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
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SPECIAL PARTS FOR STATE OF PENNSYLVANIA PLANTS (Not Illustrated)

NOTE: For parts not listed in this group use Parts Key No. 2 in the Standard Groups.

110A960	1	▲Block Assembly, Cylinder.
143B88	1	□Carburetor, Gaseous Fuel - See also Optional Gas Fuel Group.
301B1492	1	*Cover, Control Box.
301B1493	1	*Cover, Start-Disconnect Relay.
508A2	1	*Grommet, Rubber - 3/8" - Control Box Cover.
415K7	1	▲Line Kit, Fuel (25 feet of 5/16" Copper Tubing - with Fittings) Underground Tank.
415K45	1	▲Line Kit, Fuel (25 feet of 3/8" Copper Tubing - With Fittings) Underground Tank.
300C224	1	*Relay Assembly, Start-Disconnect - Complete - Includes Control Box Cover.
306B28	1	*Relay, Start-Disconnect - Included in #300C224.
149P558	1	□Strainer, Fuel - Supply Line.
415K3	1	▲Tank Kit, Underground Fuel Supply - 55 Gallon.
159B294	1	▲Tank, Reservoir (Day) 1 Quart - See also Optional Reservoir Tank Group.
307P312	1	□Valve, Electric Fuel Solenoid - Supply Line.

▲ - Gasoline Fuel Models Only.

□ - Gaseous Fuel Models Only.

* - Models with Line Transfer Control.

SERVICE KITS & MISCELLANEOUS

101K257	1	Gasket Kit, Rear Bearing - Included in Plant Gasket Kit.
113-84	1	Ring Set, Piston.
143K80	1	Gasket Kit, Carburetor - Included in Carburetor Repair Parts Kit.
143K81	1	Parts Kit, Carburetor Repair.
148K273	1	Gas Conversion Kit (Accessory).
149K526	1	Parts Kit, Fuel Pump Repair.
160K540	1	Point Set, Magneto.

REF. NO.	PART NO.	QUANT. USED	DESCRIPTION
			SERVICE KITS & MISCELLANEOUS (Cont.)
	160B478	1	Point Set, Anti-Flicker - For Plants with Parts Key Nos. 1 & 2.
	168K62	1	Gasket Kit, Plant.
	192K270	1	Starter Kit, Rope Recoil (Accessory) Optional on Pressure Cooled Plants.
	403K365	1	Frame, Carrying - (Accessory) Optional for Plants with Parts Key Nos. 1, 2, 3, 4 & 6.
	403K424	1	Bracket Kit, Quick Release (Accessory) For use with Carrying Frame.
	410C219	1	Dolly, 2 Wheel (Accessory) Optional for Plants with Parts Key Nos. 1, 2, 3, 4 & 6.
			Overhaul Kit, Plant.
	522K143	1	For Plants with Parts Key Nos. 1 & 2.
	522K144	1	For Plants with Parts Key Nos. 4 through 7.
	522K145	1	For Plants with Parts Key No. 3.





Onan PARTS PETE says...



GENUINE ONAN PARTS will simplify your maintenance and service and will insure your Onan Plant operating at its peak efficiency.

See the dealer from whom you purchased your plant or go to an Onan Authorized Service Station or Parts Center. They will see that you receive the correct parts and will provide any service information you may need.

If you are operating your plant at a point where it is not convenient to secure very good delivery on parts, or your plant is receiving hard continuous service, your best insurance is to have a complete overhaul kit on hand.

Many times an added accessory will enable you to put your plant to greater or more complete service. Batteries, switches, controls, dollies, or trailers are available for many Onan Plants.

Remember that the Onan Line is complete in capacity range of 500 to 50,000 watts in gasoline; 3,000 and 5,000 watts in diesel; 1500 to 75,000 watts in separate generators, and 3,000 to 10,000 watts in tractor generators. These units are available in standard voltages of AC, DC, and battery charging current.

Onan Generating Equipment is designed for primary, portable, mobile or standby service. Where there is no other source of electricity, it supplies primary power. It supplies portable or mobile power for fire and police departments, construction or radio use. For hospitals, hatcheries, industries or home there is no finer source of standby power. See your dealer for any of these needs.